

20000831.qrp v01_n930.qrl.20000831

Date: Thu, 31 Aug 2000 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1930

QRP-L Digest 1930

Topics covered in this issue include:

- 1) [78450] Re: Manhattan Construction
by wb2vuo@juno.com
- 2) [78451] Re: Fox: Results after Hunt 16, and commentary
by John Wagner <john@neknetwork.com>
- 3) [78452] Re: Manhattan Construction
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 4) [78453] Fw: Re: Manhattan Construction
by Robert G Seymour <bobsey1@juno.com>
- 5) [78454] Fw: Manhattan Construction/Minicut
by "Niels" <nkristja@cadvision.com>
- 6) [78455] Multiple Halfwave Vertical Story
by ARDUJENSKI@aol.com
- 7) [78456] CQ Bill K5ZTY
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 8) [78457] Re: Manhattan Construction
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [78458] Re: psk question
by K4IA@aol.com
- 10) [78459] wtb ten tec 210
by James Skalski <jskalski@bellatlantic.net>
- 11) [78460] Random Wire Antenna
by "kc0bdw" <kc0bdw@email.msn.com>
- 12) [78461] Re: Manhattan Construction
by "Dan Hogan" <dhhogan@nav.cnchost.com>
- 13) [78462] Re: Low Noise Op Amps
by "Robert Follett" <bfollett@email.msn.com>
- 14) [78463] Re: On-Line QRP Publication (September)
by Lee Bahr <w5drc@earthlink.net>
- 15) [78464] weekend plans.....off-roading and ham radio
by GE1am30092@aol.com
- 16) [78465] 3 Items left F/S
by Scott Bauer <w3cv@pcbanc.net>
- 17) [78466] Re: Manhattan Construction
by "Tony Fishpool" <g4wif@btinternet.com>
- 18) [78467] Re: Multiple Halfwave Vertical Story
by Steve Yates <aa5tb@yahoo.com>
- 19) [78468] Re: Random Wire Antenna

by Steve Yates <aa5tb@yahoo.com>
20) [78469] Kitchen Regen Query
by Pete Burbank <plburbank@kih.net>
21) [78470] SMK-1 Transmittter
by Paul Womble <pwomble1@tampabay.rr.com>
22) [78471] Re: Low Noise Op Amps
by Thomas Kuehl <ac7a@gci-net.com>
23) [78472] Re: Manhattan Construction
by "Leon Heller" <leon_heller@hotmail.com>
24) [78473] Re: Update on QRP Homebrew
by Monty N5FC <n5fc@io.com>
25) [78474] RE: Update on QRP Homebrew
by Vic Winton <Vic.Winton@trafford-press.com>
26) [78475] Re: Manhattan Construction
by Bruce Muscolino <w6toy@erols.com>
27) [78476] Re: [Antennas] Multiple Halfwave Vertical Story
by "Pastor-KC1DI" <elbc@pivot.net>
28) [78477] Re: Manhattan Construction
by Tom and Roxy <zikot@erie.net>
29) [78478] Re: Low Noise Op Amps
by "Paul Christensen" <paulc@mediaone.net>
30) [78479] CQ Ben pfieffer
by Dave Pomeroy <dave_pomeroy@voyager.net>
31) [78480] Re: Manhattan Construction
by John Payne <paynej1@strato.net>
32) [78481] Skinning the Cat...(was 1/2 wave multiband vertical)
by ARDUJENSKI@aol.com
33) [78482] Re Lost Data
by Joe Mikuckis <k3chp@erols.com>
34) [78483] RE: Random Wire Antenna
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
35) [78484] RE: Low Noise Op Amps
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
36) [78485] Fox- Join the fun! WJ1R & NW7DX This Evening!
by BenNW7DX@aol.com
37) [78486] Winter N/T FOX Hunt
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
38) [78487] FT-817 JA sales brochure !
by Radman <radman@best.com>
39) [78488] Help Needed Please
by "CDF" <res043pa@gte.net>
40) [78489] Re: Help Needed Please
by Jim/Julia <w7ls@blarg.net>
41) [78490] RE: FT-817 JA sales brochure !
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
42) [78491] [Fwd: BOUNCE tentec@qth.net: Non-member submission from [Doug Bankston <dougbankston1@yahoo.com>]]
by Jim Lowman <jmlowman@ix.netcom.com>

43) [78492] Re: Help Needed Please
by "Karl F. Larsen" <k5di@zianet.com>
44) [78493] (no subject)
by K2GWH@aol.com
45) [78494] Re: Help Needed Please
by "Cla KA0GKC" <ka0gkc@arrl.net>
46) [78495] RE: FT-817 JA sales brochure !
by Radman <radman@best.com>
47) [78496] SMK-1: Nother Wowsa!
by "Arthur G. Silvers" <ags@ieee.org>
48) [78497] [Fwd: SMK-1: Nother Wowsa!]
by "Arthur G. Silvers" <ags@ieee.org>
49) [78498] Re: Random Wire Antenna
by "Steven Weber" <kd1jv@moose.ncia.net>
50) [78499] RE: Random Wire Antenna
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
51) [78500] RE: Help Needed Please
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
52) [78501] Re: Help Needed Please
by "Mike Yetsko" <myetsko@insydesw.com>
53) [78502] RE: Help Needed Please
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
54) [78503] QRP Homebrewer
by "Randall" <Firefox@Southwind.net>
55) [78504] RE: Help Needed Please
by "Ed Tanton" <n4xy@att.net>
56) [78505] Re: Random Wire Antenna
by "Bob Tellefsen" <n6wg@earthlink.net>
57) [78506] Re: Field strength of vertical dipole greater than base fed vertical
with ground radials
by Bill Coleman AA4LR <aa4lr@radio.org>
58) [78507] Re: Help Needed Please
by "Mike Yetsko" <myetsko@insydesw.com>
59) [78508] Re: Help Needed Please
by "Mike Yetsko" <myetsko@insydesw.com>
60) [78509] RE: Help Needed Please
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
61) [78510] Re: Help Needed Please
by Mighty Mik <mightymik2@home.com>
62) [78511] Re: Random Wire Antenna
by "kc0bdw" <kc0bdw@email.msn.com>
63) [78512] In the eye of the beholder...
by "K7FD" <cqdx@teleport.com>
64) [78513] Re: In the eye of the beholder...
by "Paul Harden, NA5N" <na5n@rt66.com>
65) [78514] Re: In the eye of the beholder...
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
66) [78515] RE: In the eye of the beholder...

by "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
67) [78516] Re: In the eye of the beholder...
by "Richard E. Robinson" <rerobins@email.uncc.edu>
68) [78517] Radials revisited
by ARDUJENSKI@aol.com
69) [78518] On the Beach with the DSW-20
by Larry S Cahoon <wd3p@juno.com>
70) [78519] Re: Radials revisited
by "Dan W. Dooley" <dandooley@pipeline.com>
71) [78520] [K1 Manual is now on Elecraft website]
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
72) [78521] Burr-Brown
by "Ed Tanton" <n4xy@att.net>
73) [78522] Re: In the eye of the beholder...
by "Mike Yetsko" <myetsko@insydesw.com>
74) [78523] Re: Radials revisited
by Bill Coleman AA4LR <aa4lr@radio.org>
75) [78524] RE: In the eye of the beholder...
by "Bruce James Howes" <bhowes@buffnet.net>
76) [78525] Thanks To All
by "CDF" <res043pa@gte.net>
77) [78526] FOX: Substitute fox on Sunday
by Mike Gipe <mgipe@reliablemeters.com>
78) [78527] Re: psk question
by "M05aaa01" <merryprankster@CWCOM.NET>
79) [78528] Re: Low Noise Op Amps
by "John Moriarity" <k6qq@hdo.net>
80) [78529] Change of Email Address
by Jim Fielden <fielden@utkux.utcc.utk.edu>
81) [78530] Dual-shaft pots
by John Meade <john.meade@smsc.com>
82) [78531] dsl up and running
by n2go@arrl.net
83) [78532] Re: Change of Email Address
by John Wagner <john@neknetwork.com>
84) [78533] New articles on QRP-L website
by John Wagner <john@neknetwork.com>
85) [78534] RE: In the eye of the beholder...
by "Paul Harden, NA5N" <na5n@rt66.com>
86) [78535] FOX: WJ1R's Notice!
by "Marshall Emm" <mgemm@mtechnologies.com>
87) [78536] FS: Wilderness SST20 & SST40, KC1.
by "Kelly Ellison" <kelman@dialnet.net>
88) [78537] Re: In the eye of the beholder...
by "Dan W. Dooley" <dandooley@pipeline.com>

Date: Wed, 30 Aug 2000 03:07:39 -0400
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [78450] Re: Manhattan Construction
Message-ID: <20000830.102340.-250635.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rather than the carpet tape, look at hot melt glues. The glue guns are cheap at the hobby and discount stores, and the glue is non-toxic, no fumes and one does not get glue bombs on your desk, just waiting to glue your wrist or elbow in place like drippy cyanoacrylics will do.

As a plus, the idea came from W1FB. Any idea that Doug published has to be good...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 30 Aug 2000 19:26:15 -0400
From: John Wagner <john@neknetwork.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78451] Re: Fox: Results after Hunt 16, and commentary
Message-ID: <39AD9817.7DB7F32D@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marshall, foxes and hounds:

I just want to publicly thank all of you for organizing and conducting the fox hunts this summer. It's been a blast!!! I've been in all but two (due to vacation) and bagged 5 pelts. Not a great showing, but the number of pelts is certainly is no indication of the amount of fun I've had. I personally spend the entire two hours on the air during the hunt,

whether I get a pelt right off, or at all.

I get the impression there have been a lot of new hounds introduced (indoctrinated?) into the sport of qrp fox hunting and that's fantastic. What a great feeling it is to have that fox come back to you for the first time with your call sign - HEY, THAT'S ME! Then the knot in your stomach when you realize you have send your exchange and EVERYONE is not only listening, but waiting for you!

Thanks again, looking forward to the double hunts. 73,

John, KB1ENS

Marshall Emm wrote:

>
> <snip>
>
> Looks like we're winding up to a big, exciting finish, and I wish you all
> (foxes, hounds, and teams) every success in the Final Four.
>
> Marshall Emm, N1FN
> Milestone Technologies, Inc.
> (303) 752-3382
> <http://www.mtechnologies.com>

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Wed, 30 Aug 2000 18:34:55 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <zikot@erie.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78452] Re: Manhattan Construction
Message-ID: <004001c012db\$0090c7c0\$0200000a@mcg.net>

Hi Tony and all,

From: "Tom and Roxy" <zikot@erie.net>
| I am in the process of designing my own miniature, 1/8", hole saw to make
| solder pads by making a circular cut into the board..... Big Snip

There was a note in one of the QRP mags, I think it was Sprat from the GQRP about modifying a type of wood drill for this purpose. Maybe someone else remembers the issue.

73 de Cla KA0GKC

Date: Wed, 30 Aug 2000 19:19:40 -0700
From: Robert G Seymour <bobsey1@juno.com>
To: qrp-1@lehigh.edu
Subject: [78453] Fw: Re: Manhattan Construction
Message-ID: <20000830.192216.-158563.2.bobsey1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

You don't even need a glue gun. Use the thin material and place a sliver of glue between the pad and the substrate. Place your iron on the pad and the glue melts and sticks the pad down. Pads are easily removed or moved to a new position. You can tin the pad at the same time. I saw this idea in QST years ago and have been using it ever since
72, Bob W0LK in Arkansas

----- Forwarded message -----
From: wb2vuo@juno.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Wed, 30 Aug 2000 03:07:39 -0400
Subject: Re: Manhattan Construction
Message-ID: <20000830.102340.-250635.0.wb2vuo@juno.com>

Rather than the carpet tape, look at hot melt glues. The glue guns are cheap at the hobby and discount stores, and the glue is non-toxic, no fumes and one does not get glue bombs on your desk, just waiting to glue your wrist or elbow in place like drippy cyanoacrylics will do.

As a plus, the idea came from W1FB. Any idea that Doug published has to be good...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section
My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/tagj>.

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Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Wed, 30 Aug 2000 18:34:18 -0600

From: "Niels" <nkristja@cadvision.com>

To: <QRP-1@Lehigh.EDU>

Subject: [78454] Fw: Manhattan Construction/Minicut

Message-ID: <003c01c012e3\$33729f80\$bc8394cf@niels>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Cla and gang,

Last year I was looking into this and found a guy in the UK, Peter Crabtree G7T00, who

makes little circular cutters for this purpose called Minicut. This is a very neat cutter that fits

a drill press and makes perfect round pads, comes in two sizes if memory serves.

Don't think he is on e-mail but his address is:

Peter Crabtree

106 Sagecroft Road Thatcham,

Berkshire, RG18 3BF.

U.K.

73 de Niels

VE6NJK/TF3NJ

Calgary, AB

----- Original Message -----

From: Cla KA0GKC <ka0gkc@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 30, 2000 5:34 PM
Subject: Re: Manhattan Construction

> Hi Tony and all,
>
> From: "Tom and Roxy" <zikot@erie.net>
> | I am in the process of designing my own miniature, 1/8", hole saw to
make
> | solder pads by making a circular cut into the board..... Big Snip
>
> There was a note in one of the QRP mags, I think it was Sprat from the
GQRP
> about modifying a type of wood drill for this purpose. Maybe someone else
> remembers the issue.
>
> 73 de Cla KA0GKC
>
>
>
>
>
>
>
>

Date: Wed, 30 Aug 2000 20:46:00 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu, antennas@qth.net
Subject: [78455] Multiple Halfwave Vertical Story
Message-ID: <51.3e93fc.26df04c8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

ORIGINAL QUESTION/POST: The original question was can I feed a bank of 1/2 wave verticals from a common feed (20-10m). The reason for the 1/2wl is it has a real nice low takeoff angle and needs no radials to perform.

SUMMARY: I scoured the internet and the reference books I had available. I have received quite a bit of feedback on the topic (some of which were providing conflicting information). I was even able to get info from LB Cebik. The single point feed of multiple 1/2 wave length vertical wires presents a very complex impedance question. It is a given the impedance will

be very high on all the wires (probably 5-7K) but it is not known with out detailed analysis if the related 1/2 wave wire will be the lowest impedance for the given frequency of operation. The general consensus is that it is best to feed the wires separately.

CONCLUSION: I believe that there are some great minds providing info on this topic but there is no real hard evidence (calculations) telling what is going on here. Any of you with the inclination to try an analysis I know it would be greatly appreciated by the group. It is not that I don't agree with the experts but we are at the I THINK SO STAGE and it would be nice to be in the I KNOW SO on this.

My gut feeling is that 20-17-15-12m have a possibility but that the 10m addition would definitely create problems being a multiple of 20m. The solution may be found in running calculations for each 1/2wl and then compare the values. I am not sure if the modeling programs would allow you to run a multiple vertical like this.

Sorry, I have no rock solid definite answer but maybe someone will prevail.

Thanks to all of you who have taken the time to respond and I hope I have not misinterpreted your input or advice.

Alan KB7MBI in Woodinville, WA

Date: Wed, 30 Aug 2000 21:33:34 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [78456] CQ Bill K5ZTY
Message-ID: <200008302133_MC2-B1A1-F2EA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Please forgive the BW, but I am trying to contact Bill K5ZTY. Bill, if you get this note could you please write me back off-line? Thanks.

72/73,
--W.D. (Doc) Lindsey
DSBF

PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Wed, 30 Aug 2000 21:45:59 -0400
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [78457] Re: Manhattan Construction
Message-ID: <006501c012ed\$c9fb1b80\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While you can make a tool for this purpose, you should be aware that places like Contact East as well as others sell this very tool.

You drill pilot holes, then the tool looks like a 'cylinder' with a centering pin. Put it in the hole, press and turn, and get a nice neat pad.

Mike

> Hi Tony and all,
>
> From: "Tom and Roxy" <zikot@erie.net>
> | I am in the process of designing my own miniature, 1/8", hole saw to make
> | solder pads by making a circular cut into the board..... Big Snip
>
> There was a note in one of the QRP mags, I think it was Sprat from the GQRP
> about modifying a type of wood drill for this purpose. Maybe someone else
> remembers the issue.
>
> 73 de Cla KA0GKC

Date: Wed, 30 Aug 2000 22:10:34 EDT
From: K4IA@aol.com

To: marsgal42@hotmail.com
Cc: qrp-1@lehigh.edu
Subject: [78458] Re: psk question
Message-ID: <28.a1f8794.26df189a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The correct site for Zak (and Logger) is

http://www.chroniclenetworks.com/~dwm/logger-zakanaka.htm

Zak is released in beta form with downloads only available for 24 hours.

To subscribe to the Zak reflector, send a message to

zakanaka-subscribe@eGroups.com

Then you will know when the next beta comes out

Date: Wed, 30 Aug 2000 22:46:17 -0400 (EDT)
From: James Skalski <jskalski@bellatlantic.net>
To: qrp-1@Lehigh.EDU
Subject: [78459] wtb ten tec 210
Message-ID: <Pine.LNX.4.20.0008302245490.350-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone have one of these?

73,

Jim n2go

Date: Wed, 30 Aug 2000 22:08:18 -0500
From: "kc0bdw" <kc0bdw@email.msn.com>
To: <qrp-1@lehigh.edu>
Subject: [78460] Random Wire Antenna
Message-ID: <008a01c012f8\$b75eb300\$4e190f3f@computer>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is a request for help...

What I would like to do is put up a random wire antenna..(now this is the part where I need help) My house has aluminum siding and my shack is in the basement (XYL's rule). Will the siding affect the antenna? And if so what can I do to fix or avoid it?
Kc0bdw

Date: Wed, 30 Aug 2000 20:28:56 -0700
From: "Dan Hogan" <dhhogan@nav.cnchost.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [78461] Re: Manhattan Construction
Message-ID: <39AD6E88.12992.31AD1F5@localhost>

Go to thr Technical section ofthr GQRP web site. It's a modified Spur drill.
<http://www.btinternet.com/~g4wif/gqrp.htm>

On 30 Aug 2000, at 18:34, Cla KA0GKC wrote:

> Hi Tony and all,
>
> From: "Tom and Roxy" <zikot@erie.net>
> | I am in the process of designing my own miniature, 1/8", hole saw to make
> | solder pads by making a circular cut into the board..... Big Snip>
> There was a note in one of the QRP mags, I think is was Sprat from the GQRP
> about modifying a type of wood drill for this purpose. Maybe someone else
> remembers the issue.

Dan Hogan WA6PBY
dhhogan@nav.cnchost.com
QRParci #3847, QRP-L #558, G-QRP #9533

Date: Wed, 30 Aug 2000 21:27:56 -0600
From: "Robert Follett" <bfollett@email.msn.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>, <paulc@mediaone.net>
Subject: [78462] Re: Low Noise Op Amps
Message-ID: <00bf01c012fb\$8fb578e0\$43440e3f@MSNbfollett>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul:

<<One of the best audiophile op-amps in existence came from Analog Devices located in Tucson, AZ. They were headed by a Richard Gerdes, a brilliant engineer who developed the world's first 1 GHz discrete op-amp. Anyone know if they're still in existence?>>

Maybe that became the formation of Burr-Brown? They make the "best" audiophile op-amps today. Check out the Digikey web site, and do a search on:

OPA132

I am actually ordering a few of these to make a buffer amp for my minidisc players to drive some inefficient headphones (S. 580's)

73, Bob

Bob Follett AB7ST
3133 American Saddler Dr.
Park City, UT 84060 (435) 649 6457

Date: Wed, 30 Aug 2000 22:46:32 -0500
From: Lee Bahr <w5drc@earthlink.net>
To: dougbankston1@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78463] Re: On-Line QRP Publication (September)
Message-ID: <39ADD518.A12EECA9@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What is the web site URL?
Lee Bahr w0vt

Doug Bankston wrote:

>
> Hello everyone,
>

> Just wanted to let you know that the September
> issue of "BAREFOOT RADIO" the official on-line
> publication of the Virginia QRP Society is hot off the
> presses and can be viewed at www.qsl.net/vqs (Click
> on Barefoot Radio)
>
> This month's features include:
> Articles by KA0TPZ, W4IM, AE4CU, W3HSW, KC0GXX and a
> ever so candid QRP internet web report from the
> controversial W4IDW (Doug "Drudge" Report).
>
> Enjoy the reading gentlemen, this effort is being
> done for our fellow QRP'ers. A big thanks to this
> months contributors....
> 72/73 from the Virginia QRP Society/W4VQS
>
>
> -----
> Do You Yahoo!?
> Yahoo! Mail - Free email you can access from anywhere!
> <http://mail.yahoo.com/>

Date: Wed, 30 Aug 2000 23:39:53 EDT
From: GElam30092@aol.com
To: qrp-1@lehigh.edu
Subject: [78464] weekend plans.....off-roading and ham radio
Message-ID: <e4.9d30bca.26df2d89@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

We are doing a trip across the Mojave Road (Needles CA to near Barstow CA)
over the Labor Day weekend.

My plans are to operate QRP/PSK at night from the desert on Saturday and
Sunday evenings starting around 7 PM Pacific. If you're on PSK, give a listen
and maybe we'll make a contact! I hope to post trip pictures to a web site
upon return too.

If you're curious about the Mojave, a previous trip is noted at
<http://www.off-road.com/RoverWeb/trips/MojaveRd/MojaveRd.html> and there's
more info available at
<http://www.desertusa.com/mag99/nov/stories/mojavetrail.html> . The Mojave
Road was a major route for travelers going west and it has great historical
significance. There are still places where you can see wagon wheel ruts
that were worn into the rocks.

The Mojave give you a wonderful feeling of space, calm and isolation there that is getting more and more difficult to find these days! If you're in this part of the country and have no plans for this weekend, you're also more than welcome to meet us at the Motel 6 in Needles on Saturday morning and join us on the trip. A 4WD with reasonable clearance is advised although we can get a normal pickup through with difficulties. E-mail me off-line for details although.... there aren't many!

One disclaimer: the monsoons have been quite active. We may have an interesting trip!

Cheers,
Gerry Elam, K7LR0
PHX AZ

But, we are doing a trip across the Mojave Road (Needles CA to near Barstow CA) over Labor Day. In preparation for the trip, I will be borrowing a digital camera and will be happy to take a pictures of the setup and forward them to anyone who is interested. With any amount of luck, I'll take the pictures tomorrow evening before it gets dark.

My plans are to operate QRP/PSK at night from the desert on Saturday and Sunday evenings. The antenna will be a wire up an expandable 33-ft. mast..... if the winds aren't too high. If you're on PSK, give us a listen and maybe we'll make a contact! I hope to post trip pictures to a web site upon return too.

The Mojave give you a wonderful feeling of space, calm and isolation there that is getting more and more difficult to find these days! If you're in this part of the country and have no plans for this weekend, you're also more than welcome to meet us at the Motel 6 in Needles on Saturday morning and join us on the trip. A 4WD with reasonable clearance is advised although we can get a normal pickup through with only minor difficulties. E-mail me off-line for details although.... there aren't many!

Cheers,
Gerry Elam, K7LR0
PHX AZ

Date: Wed, 30 Aug 2000 23:49:02 -0400
From: Scott Bauer <w3cv@pcbank.net>
To: qrp-l@lehigh.EDU
Subject: [78465] 3 Items left F/S
Message-ID: <4.2.0.58.20000830234647.0098d980@mail.pcbank.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>>> Hello gang,
>>>The following items are for sale and in "as new condition".
>>>The price includes shipping in the U.S.A. via Priority mail. All items
>>>work as specified and are in mint condition unless noted.
>>>
>>> Everything is on first come, first served basis. I would appreciate
>>>money orders only since I have so much to sell.

>>> S&S TAC-1, 40 meter CW XCVR with built in keyer, digital display,
>>>RIT, audio filter and a variable power output mod done at S&S Labs.
>>>Factory cabinet.
>>>Aligned and tested at S&S Labs.
>>>\$150.00 shipped
>>>
>>> S&S TAC-1, 80 meter CW XCVR with built in keyer, digital display,
>>>RIT, audio filter and a variable power output mod done at S&S Labs.
>>>Factory cabinet.
>>>Aligned and tested at S&S Labs.
>>>\$150.00 shipped
>>>
>>> Emtech NW 30 meter CW XCVR. Has audio filter, variable bandwidth
>>>and RIT. Factory cabinet.
>>>\$80.00 shipped
>>> All have manuals.
>>>
>>> Scott Bauer, W3CV

Date: Wed, 30 Aug 2000 18:47:32 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [78466] Re: Manhattan Construction
Message-ID: <006701c012aa\$7b6300c0\$41a801d5@p200>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cla (and group),
Have a look at the GQRP website technical pages for a cleaner and
quicker alternative. This idea first appeared in SPRAT many years ago.

Kind regards
Tony - G4WIF

----- Original Message -----

> How about other ideas or techniques to eliminate the glue? Anybody?

Date: Wed, 30 Aug 2000 21:14:58 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [78467] Re: Multiple Halfwave Vertical Story
Message-ID: <20000831041458.251.qmail@web3002.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Alan,

It is late now but I can see at least one problem.

The 10m 1/2 wavelength wire will be 1/4 wavelength on 20m. This means that "IF" a ground return system is provided that you could easily couple into the 10m wire on either band depending on the network used and for your stated purpose a 1/4 wavelength wire on 20m isn't desirable.

Also, the 20m 1/2 wavelength wire will be 1 wavelength on 10m. A 1 wavelength wire can be matched with the same network as a 1/2 wavelength antenna when feeding it at the end. Therefore, the low angle radiation that you are seeking will be disturbed on 10m since a 1 wavelength vertical wire has a lobe structure that is not as favorable to low angle radiation as a 1/2 wavelength wire.

There would be no way to make the RF energy favor one wire over another (10m/20m) on 10m without a switch. Even with a switch the mutual coupling may disrupt the desired pattern. The WARC bands and 15m may work out okay since those wires won't be resonant on more than one band at a time. Maybe a 17m through 10m 1/2 wavelength antenna will work out okay.

I didn't set down and pencil whip it but you can see the obvious problem, at least on 20m and 10m.

I hope you can get the exact answer that you are looking for. If not, experiment with it and let us know how it works. Good luck.

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Do You Yahoo!?
Yahoo! Mail - Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Wed, 30 Aug 2000 21:24:46 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78468] Re: Random Wire Antenna
Message-ID: <20000831042446.11266.qmail@web3005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

kc0bdw,

Yes, the siding will effect it. It is hard to guess how much without a little more information.

Will you be feeding it directly from the basement or will you have a feedline and a remote coupling network? How long can you make you antenna wire? What will you use for a ground return system?

I would recommend remote coupling and a coaxial feedline. Keep the antenna wire as far as you can from the siding and start making contacts. You may not have the most efficient antenna system but it sounds like you may not have any other choice. Some antenna is better then no

antenna.

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@arrl.net

Do You Yahoo!?

Yahoo! Mail - Free email you can access from anywhere!

<http://mail.yahoo.com/>

Date: Thu, 31 Aug 2000 00:49:25 -0400

From: Pete Burbank <plburbank@kih.net>

To: <qrp-1@Lehigh.EDU>

Subject: [78469] Kitchen Regen Query

Message-ID: <3.0.32.20000831004920.0076e67c@kih.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Gang,

Cranked up the regen (used the Far Circuits board) to be greeted by what sounded like audio motorboating upon advancing the audio control. I yanked the FET out and it stopped so the audio stage is not the source.

I used a J-310 instead of the mpf-102 so maybe thats the problem or I have it in wrong.

The battery is stout.

I was hoping someone might have a quick solution before I start digging.

73 Pete NV4V....one of the hated Ratz...:-)

Date: Thu, 31 Aug 2000 00:47:31 -0400

From: Paul Womble <pwomble1@tampabay.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [78470] SMK-1 Transmittter

Message-ID: <39ADE363.A57FAF8F@tampabay.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang...I have misplaced my SMK-1 paperwork.

Can someone make a copy and mail it to me? I will gladly cover printing/postage.

I finally got around to putting the board in the NJQRP case tonight. The radio had worked fine on the bench. After getting it into the case...the transmitter is acting up. Listening with another receiver...the transmit signal is very low and a mix of a buzz/chirp. If I touch the rf out wire, TC1, the leads of T1, or Q3 with a metal screwdriver the signal sounds like it is supposed to. I pulled the board back out of the case and the problem still is there.

Any ideas?

Thanks
Paul AJ4Y

Date: Wed, 30 Aug 2000 23:19:51 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: bfollett@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78471] Re: Low Noise Op Amps
Message-ID: <39ADF907.76D18329@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Robert,

Well, as an engineer for Burr-Brown for many years, I can tell you that Analog Devices Incorporated (ADI) and Burr-Brown Corporation (BBC) are two different companies, but are similarly involved in the design and manufacture of high performance analog IC's. Analog Devices is headquartered in Norwood, MA, while Burr-Brown is headquartered in Tucson, AZ. This is not entirely correct, because of last week Texas Instruments completed the acquisition of Burr-Brown Corporation. All of our products will continue to be available, but gradually they will be switched over to the TI catalog and logo. For now, the Burr-Brown web site is still up and running and the parts are available through the distributors.

Although I am not in marketing, I know that a number of professional audio applications are using the Burr-Brown (now TI) OPA642U. It is a high-speed, voltage-feedback op-amp, that has very low distortion and pretty decent drive current capability. Since its a high-speed amp, the quiescent current may be a bit high for QRP applications. For low power applications, the CMOS amplifiers, like the OPA132, may be the ticket.

If you want a very handy headphone or small speaker driver, try the BUF634. It is a low quiescent current buffer amplifier that you tie into the feedback loop of a low power op-amp stage. The added parts count is minimal and the performance is quite good. I use it in my audio related projects.

I can't make any disclaimers here because I do indeed have a vested interest.

Best Regards, Thomas - AC7A (Tucson)

Robert Follett wrote:

> Paul:
>
> <<One of the best audiophile op-amps in existence came from Analog Devices
> located in Tucson, AZ. They were headed by a Richard Gerdes, a brilliant
> engineer who developed the world's first 1 GHz discrete op-amp. Anyone know
> if they're still in existence?>>
>
> Maybe that became the formation of Burr-Brown? They make the "best"
> audiophile op-amps today. Check out the Digikey web site, and do a search
> on:
>
> OPA132
>
> I am actually ordering a few of these to make a buffer amp for my minidisc
> players to drive some inefficient headphones (S. 580's)
>
> 73, Bob
>
> -----
> Bob Follett AB7ST
> 3133 American Saddler Dr.
> Park City, UT 84060 (435) 649 6457

Date: Thu, 31 Aug 2000 07:07:27 GMT
From: "Leon Heller" <leon_heller@hotmail.com>
To: dhhogan@nav.cnchost.com, qrp-l@Lehigh.EDU
Subject: [78472] Re: Manhattan Construction
Message-ID: <F102tgTIFprhM0gRGkQ000037b0@hotmail.com>

Mime-Version: 1.0
Content-Type: text/plain; format=flowed

> >
> > From: "Tom and Roxy" <zikot@erie.net>
> > | I am in the process of designing my own miniature, 1/8", hole saw to
> > make
> > | solder pads by making a circular cut into the board..... Big
> > Snip>
> > There was a note in one of the QRP mags, I think it was Sprat from the
> > GQRP
> > about modifying a type of wood drill for this purpose. Maybe someone
> > else
> > remembers the issue.

You can buy a special tool from Farnell with a cutter surrounding a 1 mm drill bit for making isolated pads. The cutter is combined with a sort of collet so that it grips the drill. I've got one and it works quite well, although I haven't actually built anything using it - I prefer PCBs.

73, Leon

--

Leon Heller, G1HSM
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Thu, 31 Aug 2000 02:47:41 -0500
From: Monty N5FC <n5fc@io.com>
To: tdufres@radiks.net, qrp-1@Lehigh.edu
Subject: [78473] Re: Update on QRP Homebrew
Message-ID: <4.3.2.7.0.20000831024247.00a905d0@mail.io.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey TC!

On Mon, 28 Aug 2000 16:16:24 -0500, on QRP-L, you wrote:

>Gang:

>Just sent a QSL card to my first homebrew QRP contact. It was at 2045z, on
>21.0575MHz, with Jack, K7ZR. About 2.5 watts output power, according to my
>MFJ 941E tuner, and all the way from Washington, no less! I am in Lincoln,
>Nebraska! Needless to say, I am still shaking with excitement. Was it like
>that for you guys too?

>Sorry to sound like a total newbie, but you old guys, remember the time when
>you had your first contact on a rig you build from scratch and sweated about
>on your own... Well, the feeling is there. Thanks again to all that helped
>and hope I can work more of you!

Fantastic! Yeah, feels that way every time you build something, from the
little stupid gadgets to the big monster projects. Keep it up, and talk it
up (it encourages both newbies and oldies alike!)

73,
monty N5FC

Date: Thu, 31 Aug 2000 10:21:16 +0100
From: Vic Winton <Vic.Winton@trafford-press.com>
To: "'n5fc@io.com'" <n5fc@io.com>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>
Subject: [78474] RE: Update on QRP Homebrew
Message-ID: <C94AC5B1B413D411ABDC009027177A641C37@trafford01.trafford-press.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Gang,
It is like when you kissed your first girl. You just want to do it again and
again.....

! Vic

-----Original Message-----

From: Monty N5FC [mailto:n5fc@io.com]
Sent: 31 August 2000 08:48
To: Low Power Amateur Radio Discussion

Subject: Re: Update on QRP Homebrew

Hey TC!

On Mon, 28 Aug 2000 16:16:24 -0500, on QRP-L, you wrote:

>Gang:

>Just sent a QSL card to my first homebrew QRP contact. It was at 2045z, on
>21.0575MHz, with Jack, K7ZR. About 2.5 watts output power, according to my
>MFJ 941E tuner, and all the way from Washington, no less! I am in Lincoln,
>Nebraska! Needless to say, I am still shaking with excitement. Was it like
>that for you guys too?

>Sorry to sound like a total newbie, but you old guys, remember the time
when

>you had your first contact on a rig you build from scratch and sweated
about

>on your own... Well, the feeling is there. Thanks again to all that helped
>and hope I can work more of you!

Fantastic! Yeah, feels that way every time you build something, from the
little stupid gadgets to the big monster projects. Keep it up, and talk it
up (it encourages both newbies and oldies alike!)

73,
monty N5FC

Date: Thu, 31 Aug 2000 04:19:44 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: ka0gkc@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [78475] Re: Manhattan Construction
Message-ID: <39AE1520.49EF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cla,

At one time, when wire wrap was popular, Vector made a very similar
item. It was called a pad cutter and it removed a small circular outline
around the site of a wire wrap pin, so you could have isolated pin
connections on a copper ground plane. It was much smaller than a pad
for Manhattan construction but had the advantage of being mounted in a
small screwdriver handle. If any 'hole saw' devices were made I would

recommend the same approach,

73

Date: Thu, 31 Aug 2000 06:35:27 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <ARDUJENSKI@aol.com>, <qrp-1@lehigh.edu>, <antennas@qth.net>
Subject: [78476] Re: [Antennas] Multiple Halfwave Vertical Story
Message-ID: <004301c01337\$2e701400\$2610a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: <ARDUJENSKI@aol.com>
To: <qrp-1@lehigh.edu>; <antennas@qth.net>
Sent: Wednesday, August 30, 2000 8:46 PM
Subject: [Antennas] Multiple Halfwave Vertical Story

> ORIGINAL QUESTION/POST: The original question was can I feed a bank of 1/2
> wave verticals from a common feed (20-10m). The reason for the 1/2wl is it
> has a real nice low takeoff angle and needs no radials to perform.
>
> SUMMARY: I scoured the internet and the reference books I had available. I
> have receive quite a bit of feedback on the topic (some of which were
> providing conflicting information). I was even able to get info from LB
> Cebik. The single point feed of multiple 1/2 wave length vertical wires
> presents a very complex impedance question. It is a given the impedance
will
> be very high on all the wires (probably 5-7K) but it is not known with out
> detailed analysis if the related 1/2 wave wire will be the lowest
impedance
> for the given frequency of operation. The general consensus is that it is
best
> to feed the wires separately.
>
> CONCLUSION: I believe that there are some great minds providing info on
this
> topic but there is no real hard evidence (calculations) telling what is
going
> on here. Any of you with the inclination to try an analysis I know it
would
> be greatly appreciated by the group. It is not that I don't agree with the

> experts but we are at the I THINK SO STAGE and it would be nice to be in
the
> I KNOW SO on this.
>
> My gut feeling is that 20-17-15-12m have a possibility but that the 10m
> addition would definitely create problems being a multiple of 20m. The
> solution may be found in running calculations for each $1/2w_l$ and then
compare
> the values. I am not sure if the modeling programs would allow you to run
a
> multiple vertical like this.
>
> Sorry, I have no rock solid definite answer but maybe someone will
prevail.
>
> Thanks to all of you who have taken the time to respond and I hope I have
not
> misinterpreted your input or advice.
>
> Alan KB7MBI in Woodinville, WA
>
> -----

Hi Alan And All,

Great Thread, I've seen the $1/2$ wave single feed line done in the past but
they way it was done was by placing seperate tuned circuits in each $1/2$ wave
element base that was resonated at the desired frequency , then to one
extent or another the other elements look like Hi Impedence and the only one
used is the desired one.

Worth a try anyway. as I remember we did something like this at our Club
station when I was in the Army and Stationed on Okinawa, But don't recall
the exact method of feed, Oh by the way $1/2$ verticals close to the Ground
still benifit from a good radial system.

good luck on your Quest for answers and Let us all know the out come. 73
Dave KC1DI

Date: Thu, 31 Aug 2000 06:41:19 -0400
From: Tom and Roxy <zikot@erie.net>
To: qrp-l@Lehigh.EDU
Subject: [78477] Re: Manhattan Construction
Message-ID: <3.0.5.32.20000831064119.00801430@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thank you for everyone's input to my comments.

Since I have just gotten into building my own equipment I like using the Manhattan technique very much. I have never noticed a tool like that so I thought I was hitting on a good idea. I am going to take a look at the items that exist for making solder islands on the board, however, I am going to continue with my project, just to see if it will work. I will still pass along my results just as a FYI to QRP-L in case anyone else would like to make one a opposed to tracking one down.

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Thu, 31 Aug 2000 07:06:24 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Robert Follett" <bfollett@msn.com>, "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [78478] Re: Low Noise Op Amps
Message-ID: <007501c0133b\$8304c520\$06678118@tci.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Correction: I should have stated "Analog Systems," not Analog Devices, Inc. I suspect Analog Systems was purchased some time ago, but since Tom Kuehl lives in Tucson, perhaps he can confirm? The device I was referring to is the Analog Systems MA-332 op-amp.

-Paul, W9AC

----- Original Message -----
From: "Robert Follett" <bfollett@email.msn.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>; <paulc@mediaone.net>
Sent: Wednesday, August 30, 2000 11:27 PM
Subject: Re: Low Noise Op Amps

> Paul:
>
> <<One of the best audiophile op-amps in existence came from Analog Devices

> located in Tucson, AZ. They were headed by a Richard Gerdes, a brilliant
> engineer who developed the world's first 1 GHz discrete op-amp. Anyone
know
> if they're still in existence?>>
>
> Maybe that became the formation of Burr-Brown? They make the "best"
> audiophile op-amps today. Check out the Digikey web site, and do a search
> on:
>
> OPA132
>
> I am actually ordering a few of these to make a buffer amp for my minidisc
> players to drive some inefficient headphones (S. 580's)
>
> 73, Bob
> -----
> Bob Follett AB7ST
> 3133 American Saddler Dr.
> Park City, UT 84060 (435) 649 6457
>
>
>

Date: Thu, 31 Aug 2000 07:19:56 -0400
From: Dave Pomeroy <dave_pomeroy@voyager.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78479] CQ Ben pfieffer
Message-ID: <39AE3F5C.5AFE2D9A@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ben if you get this message email me.

--
Dave Pomeroy K8DNP SouthWest Michigan

Date: Thu, 31 Aug 2000 07:29:42 -0700
From: John Payne <paynej1@strato.net>
To: QRP-L@lehigh.edu
Subject: [78480] Re: Manhattan Construction
Message-ID: <SAK.2000.08.31.qlaifjdq@john-payne>
MIME-Version: 1.0

Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

Original message from: "Leon Heller"

>

>You can buy a special tool from Farnell with a cutter surrounding a 1 mm
>drill bit for making isolated pads . The cutter is combined with a sort of
>collet so that it grips the drill. I've got one and it works quite well,
>although I haven't actually built anything using it - I prefer PCBs.

>

>73, Leon

Leon- In the States, PCBs are banned as a serious health hazard. Now what do I do?<GRIN>

Sorry, just couldn't resist!!

72, John N4FLJ

Date: Thu, 31 Aug 2000 08:07:47 EDT
From: ARDUJENSKI@aol.com
To: antennas@qth.net, qrp-1@lehigh.edu
Subject: [78481] Skinning the Cat...(was 1/2 wave multiband vertical)
Message-ID: <5f.9ea0b1c.26dfa493@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well if you look hard enough you will find the answer. My quest for how to feed multiple half wave verticals manifested itself with a possible answer. This was for 20-17-15-12-10m I stumbled on a site that had information for stacking J-poles. Clever idea- the cactus approach

<http://qex.net.tripod.com/ant/cactusj.txt>

I still have my work cut out but at least there is a possible solution (smile). Now to combine this with the LATTIN DIPOLE and I am in business!!!

<http://www.g3ycc.karoo.net/lattin.htm>

Not sure if I will be able to fit all the bands in but will be fun trying

Unless I am missing something I think this is the solution to the feeding a

multiband 1/2 wave vertical (grin)

Well now that I have a solution in sight on how to skin this cat, I won't pussy foot around but rather catapult right into this venture

Alan KB7MBI

Date: Wed, 30 Aug 2000 16:35:46 -0400
From: Joe Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [78482] Re Lost Data
Message-ID: <39AD7022.5F7B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I tried Microsoft EXCEL, which is part of my OFFICE 97 package, and it works just fine with dBASE III files. Problem solved! Thaks again to all.

Joe, K3CHP
Riverdale, MD

Date: Thu, 31 Aug 2000 06:58:33 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'kc0bdw@email.msn.com'" <kc0bdw@email.msn.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78483] RE: Random Wire Antenna
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBD14@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Most RW antenna will be near the house or building they are installed in. I think the trick is to prevent the antenna from being close, or parallel to visible things such as metal rain gutters, and invisible wiring, conduits, ducts and metalwork in the building. You might use a short length of twinlead from the tuner to the feed-end of your RW antenna; connect the other lead to the rain gutters and use them as a counterpoise (be sure the metal gutters are bonded together electrically and at RF). This seemingly flaky arrangement might actually elevate the antenna/counterpoise.
Jay

W6CJ

-----Original Message-----

From: kc0bdw [mailto:kc0bdw@email.msn.com]
Sent: Wednesday, August 30, 2000 8:08 PM
To: Low Power Amateur Radio Discussion
Subject: Random Wire Antenna

This is a request for help...

What I would like to do is put up a random wire antenna..(now this is the part where I need help) My house has aluminum siding and my shack is in the basement (XYL's rule). Will the siding affect the antenna? And if so what can I do to fix or avoid it?
Kc0bdw

Date: Thu, 31 Aug 2000 09:26:08 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'bfollett@email.msn.com'" <bfollett@email.msn.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [78484] RE: Low Noise Op Amps
Message-ID: <E78D8A9D6762D411B5440008C791D4AA199A50@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm not too sure, but I believe Burr-Brown got bought out by National Semiconductor. I believe that Analog Devices is still in business under their own name.....

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Robert Follett [SMTP:bfollett@email.msn.com]
Sent: Wednesday, August 30, 2000 10:28 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Low Noise Op Amps

Paul:

<<One of the best audiophile op-amps in existence came from Analog Devices

located in Tucson, AZ. They were headed by a Richard Gerdes, a brilliant engineer who developed the world's first 1 GHz discrete op-amp. Anyone know if they're still in existence?>>

Maybe that became the formation of Burr-Brown? They make the "best" audiophile op-amps today. Check out the Digikey web site, and do a search on:

OPA132

I am actually ordering a few of these to make a buffer amp for my minidisc players to drive some inefficient headphones (S. 580's)

73, Bob

Bob Follett AB7ST
3133 American Saddler Dr.
Park City, UT 84060 (435) 649 6457

Date: Thu, 31 Aug 2000 10:53:24 EDT
From: BenNW7DX@aol.com
To: qrp-l@lehigh.edu
Subject: [78485] Fox- Join the fun! WJ1R & NW7DX This Evening!
Message-ID: <b4.a31cfdb.26dfcb64@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Come be a part of the first ever Duel Foxhunt!

- When: Thursday evening (for us U.S.A. folks) at 0100z (6pm pacific/9pm eastern).
- Who: Larry WJ1R and Ben NW7DX
- Where: +/- 14.061 for Larry +/- 14.056 for Ben

Exchange = RST, QTH, NAME, and QRP-L# or PWR OUT.

Please join us and help us put YOU in the log! Every single QSO matters to the hunt.

73 and hope to see you there,
Ben - NW7DX

Date: Thu, 31 Aug 2000 11:20:45 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [78486] Winter N/T FOX Hunt
Message-ID: <200008311121_MC2-B1B3-5139@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Several have wondered whether we will have the Novice/Technician FOX hunt=
this year. =

This is so say we *WILL* indeed have the hunt, and the ground rules will =
be
similar to previous years. At this point all I am doing is alerting
everyone. The N/T hunt will begin a bit later than the General/Extra hun=
t,
so watch for announcements this Fall. As always this series will be
designed to encourage and assist the N/T FOXes in upgrading their skills,=
hopefully leading to a higher license class.

Thanks already for your interest, and I will be happy to receive
nominations for persons to serve as N/T FOXes. In the meantime, GL one a=
nd
all with tonight's dual hunt. Go for it. Here's hoping we have great
propagation and no thunder storms :-).

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Thu, 31 Aug 2000 08:36:01 -0700
From: Radman <radman@best.com>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [78487] FT-817 JA sales brochure !
Message-ID: <01C01327.023BCE20@radman.vip.best.com>

Gang,

For those interested in a peek at the JA sales sheet for the FT-817, check out the following URL: <http://www.cq3.nl/standard-ft-817/>

Nice picture -- now if someone would offer to translate the text ;)!
We should see an English (American?) version soon...

Have fun,

Conrad Weiss - NN6CW - not related to Yeasu/Standard :)

Date: Thu, 31 Aug 2000 11:35:06 -0400
From: "CDF" <res043pa@gte.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [78488] Help Needed Please
Message-ID: <000701c01361\$0afa38a0\$25270b3f@eyppwndog>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,
I have a Electronic keyer that uses a 9 volt battery for power.
What I want to do is run it off of one of the 12 volt
accessory jacks on the back of my TT Argosy II.
Could one of the more electronically inclined people
on the list tell me what I need to do to drop the 12
volts down to 9 volts.

Thanks In Advance,

72 Charlie

The Truth Is Out There. This Is Who WE Are

WA8CUL

QRP-L #1752

Charles D. Feigley Sr

SOC #394

1516 Toledo St.

TT Argosy II @ 5w

Holiday, Florida

34690

Date: Thu, 31 Aug 2000 08:51:31 -0700
From: Jim/Julia <w7ls@blarg.net>
To: res043pa@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [78489] Re: Help Needed Please
Message-ID: <39AE7F03.CD0518F6@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I suggest using an LM7808 voltage regulator chip. They are about a buck. It will knock the voltage down to 8 volts, which is close enough. You will need two low value capacitors to go with it. About 0.1 uF. Look at National Semiconductor web site and look up LM7808. It will have diagrams. Jim W7LS

CDF wrote:

> Hello All,
> I have a Electronic keyer that uses a 9 volt battery for power.
> What I want to do is run it off of one of the 12 volt
> accessory jacks on the back of my TT Argosy II.
> Could one of the more electronically inclined people
> on the list tell me what I need to do to drop the 12
> volts down to 9 volts.
> Thanks In Advance,
> 72 Charlie
> *****
> The Truth Is Out There. This Is Who WE Are
> *****
> WA8CUL QRP-L #1752
> Charles D. Feigley Sr SOC #394
> 1516 Toledo St. TT Argosy II @ 5w
> Holiday, Florida
> 34690

Date: Thu, 31 Aug 2000 08:49:44 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.edu'" <qrp-1@Lehigh.edu>
Subject: [78490] RE: FT-817 JA sales brochure !
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430997FFCC@blaze.bcsbc.GOV.BC.CA>
Content-return: allowed

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Is this Yaesu's answer to the IC-706 MkIIG? Also, what is the price?

Doug VA7DD

-----Original Message-----

From: Radman [mailto:radman@best.com]
Sent: Thursday, August 31, 2000 8:36 AM
To: Low Power Amateur Radio Discussion
Subject: FT-817 JA sales brochure !

Gang,

For those interested in a peek at the JA sales sheet for the FT-817, check out the following URL: <http://www.cq3.nl/standard-ft-817/>

Nice picture -- now if someone would offer to translate the text ;)!
We should see an English (American?) version soon...

Have fun,

Conrad Weiss - NN6CW - not related to Yeasu/Standard :)

Date: Thu, 31 Aug 2000 08:57:03 -0700
From: Jim Lowman <jmllowman@ix.netcom.com>
To: tentec@qth.net, tentec@contesting.com, qrp-1@lehigh.edu
Subject: [78491] [Fwd: BOUNCE tentec@qth.net: Non-member submission from [Doug Bankston <dougbankston1@yahoo.com>]]
Message-ID: <39AE804F.5E371D12@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Approved:AD6CW

>From owner-tentec@listserver.qth.net Thu Aug 31 09:59:55 2000
Received: from web4301.mail.yahoo.com (web4301.mail.yahoo.com [216.115.104.193])
by listserver.qth.net (8.9.3/8.9.3) with SMTP id JAA13807
for <tentec@qth.net>; Thu, 31 Aug 2000 09:59:55 -0400
Message-ID: <20000831135925.26598.qmail@web4301.mail.yahoo.com>
Received: from [216.5.100.51] by web4301.mail.yahoo.com; Thu, 31 Aug 2000 06:59:25
PDT
Date: Thu, 31 Aug 2000 06:59:25 -0700 (PDT)

From: Doug Bankston <dougbankston1@yahoo.com>
Subject: On-Line QRP Publication
To: tentec@qth.net
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

FYI QRPers:

Just wanted everyone to know that there is a new
Monthly On-line magazine for QRP operators on the web.
Not much there yet, but its gettin' better. The
address is: www.qsl.net/vqs (click on "Barefoot
Radio")

73

W4VQS

Date: Thu, 31 Aug 2000 09:59:31 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: CDF <res043pa@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78492] Re: Help Needed Please
Message-ID: <Pine.LNX.4.10.10008310957590.1130-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just a thought Charlie, if the keyer has a 5 volt regulator in it you can
put 12 volts right on it no problem. The CMOS keyers have this.

On Thu, 31 Aug 2000, CDF wrote:

> Hello All,
> I have a Electronic keyer that uses a 9 volt battery for power.
> What I want to do is run it off of one of the 12 volt
> accessory jacks on the back of my TT Arogosy II.
> Could one of the more electronically inclined people
> on the list tell me what I need to do to drop the 12
> volts down to 9 volts.
> Thanks In Advance,
> 72 Charlie
> *****
> The Truth Is Out There. This Is Who WE Are
> *****

> WA8CUL
> Charles D. Feigley Sr
> 1516 Toledo St.
> Holiday, Florida
> 34690
>
>
>
>

QRP-L #1752
SOC #394
TT Argosy II @ 5w

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 31 Aug 2000 11:58:40 EDT
From: K2GWH@aol.com
To: qrp-l@lehigh.edu
Subject: [78493] (no subject)
Message-ID: <60.681b3b5.26dfdab0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang
Anyone out there familiar with the Boonton model 71A inductance/capacitance meter?
73 Rich

Date: Thu, 31 Aug 2000 10:59:31 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <res043pa@gte.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [78494] Re: Help Needed Please
Message-ID: <001c01c01364\$850aaaa0\$0200000a@mcg.net>

Hi Charlie,

What kind of keyer is it? It might run on 12 volts directly. First thing I'd do in measure the current it draws, if it's pretty low and doesn't vary much at all when operated I would consider a series dropping resistor and maybe an optional 9 volt zener. Else I would suggest a 9 volt regulator. Still would need to know the current draw to recommend the right sized one.

Get back to us on this and I'm sure we can help you out.

73 de Cla KA0GKC

----- Original Message -----

From: Charlie <res043pa@gte.net>

| I have a Electronic keyer that uses a 9 volt battery for power.
| Could one of the more electronically inclined people
| on the list tell me what I need to do to drop the 12
| volts down to 9 volts.

Date: Thu, 31 Aug 2000 09:18:15 -0700

From: Radman <radman@best.com>

To: "'Davies, Doug A FOR:EX'" <Doug.Davies@gems3.gov.bc.ca>, Low Power Amateur
Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [78495] RE: FT-817 JA sales brochure !

Message-ID: <01C0132C.66AA4EE0@radman.vip.best.com>

Doug et al,

Sorry, I should have included more detail... the FT-817 is Yaesu/Standard's new super-mini QRP rig. All-mode, 160m-440, less than 2 pounds, volume is one third that of a Kenwood TS-50S, RF power out is 5W. It even covers WFM 76-108 MHz and has an internal battery pack. Projected price is ~ \$699 in the US prior to Christmas of this year. Some of the east coast US hams have already seen pre-release versions of this rig. Yaesu's QRO response to the IC-706-IIIG was/is the FT-100, then the FT-100D - unless they have something else in the works as well ;)

Hope this helps es 72,

Conrad - NN6CW

From: Davies, Doug A FOR:EX[SMTP:Doug.Davies@gems3.gov.bc.ca]

Subject: RE: FT-817 JA sales brochure !

Is this Yaesu's answer to the IC-706 MkIIIG? Also, what is the price?

Doug VA7DD

Date: Thu, 31 Aug 2000 09:15:12 -0700
From: "Arthur G. Silvers" <ags@ieee.org>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [78496] SMK-1: Nother Wowsa!
Message-ID: <39AE8490.EA477B84@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Tested my SMK-1 last night and was amazed at the sensitivity that little radio achieves. That along with both sidebands and a somewhat broad response filled my headphones with a virtual cornucopia of signals. The receiver tunes from about 7037 to 7041 and the transmitter from 7038 to 7040 to the closest kHz. My somewhat generous peak reading homebrew dummy-load/watt-meter tells me the rig is putting out about 1/2 a watt.

What a hoot. Now I need to dress it up a bit. Hope to see you all at Pacificon.

CUL es 72

Arth W6AGS.

Date: Thu, 31 Aug 2000 09:18:46 -0700
From: "Arthur G. Silvers" <ags@ieee.org>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [78497] [Fwd: SMK-1: Nother Wowsa!]
Message-ID: <39AE8566.71EFBF88@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oh yes! That's about 1 watt peak translated to 1/2 watt rms.

"Arthur G. Silvers" wrote:

>

> Gang,

>

> Tested my SMK-1 last night and was amazed at the sensitivity that little
> radio achieves. That along with both sidebands and a somewhat broad
> response filled my headphones with a virtual cornucopia of signals. The

> receiver tunes from about 7037 to 7041 and the transmitter from 7038 to
> 7040 to the closest kHz. My somewhat generous peak reading homebrew
> dummy-load/watt-meter tells me the rig is putting out about 1/2 a
> watt.
>
> What a hoot. Now I need to dress it up a bit. Hope to see you all at
> Pacificon.
>
> CUL es 72
>
> Arth W6AGS.

Date: Thu, 31 Aug 2000 11:54:54 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: kc0bdw@email.msn.com
Cc: qrp-l@lehigh.edu
Subject: [78498] Re: Random Wire Antenna
Message-ID: <200008311631.MAA05347@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>
> What I would like to do is put up a random wire antenna..(now this is

If at all possible, use anything *but* a random wire!

The weakest stations I work (that aren't QRPP) are inevitably using a
random wire - or long wire. Just worked one the other day, and was
going to comment on it.

OTOH, the strongest stations are inevitably using a full wave loop.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 31 Aug 2000 11:32:57 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'kd1jv@moose.ncia.net'" <kd1jv@moose.ncia.net>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [78499] RE: Random Wire Antenna
Message-ID: <E78D8A9D6762D411B5440008C791D4AA199A61@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Or at least, a genuine dipole! (as opposed to your end-fed or random-length wire!)

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Steven Weber [SMTP:kd1jv@moose.ncia.net]
Sent: Thursday, August 31, 2000 6:55 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Random Wire Antenna

>
> What I would like to do is put up a random wire antenna..(now this is

If at all possible, use anything *but* a random wire!

The weakest stations I work (that aren't QRPP) are inevitably using a random wire - or long wire. Just worked one the other day, and was going to comment on it.

OTOH, the strongest stations are inevitably using a full wave loop.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 31 Aug 2000 11:37:29 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [78500] RE: Help Needed Please
Message-ID: <000001c01369\$c15857a0\$123ac6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Radio Shack carries a couple of adapters that are designed to change the 12 volts that comes from a car battery to 3, 6, and 9 volts. They aren't that expensive. You would have to wire up a receptacle like a car lighter plug. That should be pretty simple. If you are construction-minded you can build your own voltage reducer for about \$5 in parts. Basically it's a resistor, a couple of capacitors and a 9 volt Zener diode. If you really want to get

fancy you can put it in a little box. Check out the ARRL Handbooks or some of the Forrest Mimms books from Radio Shack.

73/

Kevin, WB5RUE

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of CDF

Sent: Thursday, August 31, 2000 10:35 AM

To: Low Power Amateur Radio Discussion

Subject: Help Needed Please

Hello All,

I have a Electronic keyer that uses a 9 volt battery for power.

What I want to do is run it off of one of the 12 volt accessory jacks on the back of my TT Argosy II.

Could one of the more electronically inclined people on the list tell me what I need to do to drop the 12 volts down to 9 volts.

Thanks In Advance,

72 Charlie

The Truth Is Out There. This Is Who WE Are

WA8CUL

QRP-L #1752

Charles D. Feigley Sr

SOC #394

1516 Toledo St.

TT Argosy II @ 5w

Holiday, Florida

34690

Date: Thu, 31 Aug 2000 12:48:31 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <wb5rue@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [78501] Re: Help Needed Please

Message-ID: <003701c0136b\$4f325160\$2101a8c0@insydesw.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

And remember that 9v is a nominal voltage for a new battery. While a 78L08 is not near as common as 7805 and 7812 regulators, they are

available. Tiny (they look like a transistor) good performance, they are easy to design in. And 8v from this is still above the 7.2v that a "9v NiCad" puts out. (I always wondered why the 9V NiCad was 7.2 (6 internal cells) instead of 8.4v (7 internal cells). But I suppose it's a tradeoff with capacity.)

If it will work with a 'used' 9v, or with a NiCad 9v, then it should work with a 78L08.

Mike

> Radio Shack carries a couple of adapters that are designed to change the 12
> volts that comes from a car battery to 3, 6, and 9 volts. They aren't that
> expensive. You would have to wire up a receptacle like a car lighter plug.
> That should be pretty simple. If you are construction-minded you can build
> your own voltage reducer for about \$5 in parts. Basically it's a resistor,
> a couple of capacitors and a 9 volt Zener diode. If you really want to get
> fancy you can put it in a little box. Check out the ARRL Handbooks or some
> of the Forrest Mimms books from Radio Shack.
>
> 73/
> Kevin, WB5RUE

Date: Thu, 31 Aug 2000 12:14:52 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [78502] RE: Help Needed Please
Message-ID: <000001c0136e\$fabd63a0\$113ac6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, a 7808 family regulator would be much simpler. All you would need is that and a couple of 10mf electrolytics.

Good idea Mike.
Kevin, WB5RUE

-----Original Message-----

From: Mike Yetzko [mailto:myetzko@insydesw.com]
Sent: Thursday, August 31, 2000 11:49 AM
To: wb5rue@arrl.net; Low Power Amateur Radio Discussion
Subject: Re: Help Needed Please

And remember that 9v is a nominal voltage for a new battery. While a 78L08 is not near as common as 7805 and 7812 regulators, they are available. Tiny (they look like a transistor) good performance, they are easy to design in. And 8v from this is still above the 7.2v that a "9v NiCad" puts out. (I always wondered why the 9V NiCad was 7.2 (6 internal cells) instead of 8.4v (7 internal cells). But I suppose it's a tradeoff with capacity.)

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Mike

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> volts that comes from a car battery to 3, 6, and 9 volts. They aren't that
> expensive. You would have to wire up a receptacle like a car lighter plug.
> That should be pretty simple. If you are construction-minded you can build
> your own voltage reducer for about \$5 in parts. Basically it's a resistor,
> a couple of capacitors and a 9 volt Zener diode. If you really want to get
> fancy you can put it in a little box. Check out the ARRL Handbooks or some
> of the Forrest Mimms books from Radio Shack.
>
> 73/
> Kevin, WB5RUE

Date: Thu, 31 Aug 2000 12:13:38 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [78503] QRP Homebrewer
Message-ID: <00fb01c0136e\$cedb9040\$125986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just got my Spring 2000 issue of QRP Homebrewer in the mail.
For those who have been looking for the next issue.

Date: Thu, 31 Aug 2000 13:23:31 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [78504] RE: Help Needed Please
Message-ID: <CKEGICNFDIMCEKEDCEHFIEKODNAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

7809s ARE available at Digikey.

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

Date: Thu, 31 Aug 2000 10:33:43 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [78505] Re: Random Wire Antenna

Message-ID: <002e01c01371\$9d82c880\$0ffcb3d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hal

I too live in a house with aluminum siding. My shack is in the garage, so I made small holes in the wall and siding to bring in my coax and heavy duty tv twinlead feeders. My feeders are all at a low impedance node at the shack end, so there isn't a lot of rf voltage between them and ground.

In your case, with an end fed random wire, there will be some bands where you will have a fairly high impedance and rf voltage at the shack end, requiring substantial insulation. One idea might be to bring the random wire through the wall in a short piece of RG-8/U coax to serve as the insulator. Keep it short, perhaps a foot or so, with the shield grounded. Then continue the single wire to your tuner. You should be able to manage with this.

Also, remember that with a random wire antenna, you need to give some attention to your station rf ground. You might run a series of quarter wave wires around the basement ceiling beams, with each quarter wave wire attached to the ground post of your antenna tuner.

My personal inclination would be to find another antenna arrangement, but perhaps you have already gone through this exercise.

Good luck and 73,
Bob N6WG

Date: Thu, 31 Aug 2000 13:37:44 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: "Stuart Rohre" <rohre@arlut.utexas.edu>, "Bill Coleman" <aa4lr@radio.org>
Cc: <qrp-l@Lehigh.EDU>
Subject: [78506] Re: Field strength of vertical dipole greater than base fed vertical with ground radials
Message-ID: <1000731133744.NAA18687@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/30/00 8:41 PM, Stuart Rohre at rohre@arlut.utexas.edu wrote:

>

>On what basis does the tower talk discussion rest? Did the author do

>extensive field strength measurements over a variety of grounds?

I did some searches over at contesting.com, here are some of the representative articles:

This one, from 1996, points out that the amatuer infatuation with elevated radials may not have a scientific basis:
<http://lists.contesting.com/_cq-contest/199609/0619.html>

This message from N7CL discusses his experience with actually measuring elevated versus ground radials, and some of the ways in which the actual antennas were different from the predicted models:
<http://lists.contesting.com/_topband/199803/0318.html>

Here's another example of actual measurements of elevated radials versus ground radials, plus it notes the inaccuracies of modeling programs to deal with low antennas:
<http://lists.contesting.com/_topband/199803/0118.html>

I truly respect the writings of Tom W8JI. He's got one of the biggest signals on 160m in this part of the country.

You can go to <<http://search.contesting.com/search.cgi?>> to search for articles in all of the contesting.com mail reflectors. It is truly a powerful resource.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
 -- Archibald Asparagus, VeggieTales

Date: Thu, 31 Aug 2000 13:40:35 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wb5rue@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78507] Re: Help Needed Please
Message-ID: <008801c01373\$3f2797a0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For a CMOS keyer I would think you wouldn't even need that. Probably .1uf bypasses on both input and output right on the regulator, then

maybe

a 2.2uF tant on the input just to clean up any automotive noise. The keyer probably has its own input circuitry to filter.

Mike

> Yes, a 7808 family regulator would be much simpler. All you would need is

> that and a couple of 10mF electrolytics.

>

> Good idea Mike.

> Kevin, WB5RUE

>

>

> And remember that 9V is a nominal voltage for a new battery. While a 78L08 is not near as common as 7805 and 7812 regulators, they are available. Tiny (they look like a transistor) good performance, they are easy to design in. And 8V from this is still above the 7.2V that a

> "9V NiCad" puts out. (I always wondered why the 9V NiCad was 7.2

> (6 internal cells) instead of 8.4V (7 internal cells). But I suppose it's

> a tradeoff with capacity.)

>

> If it will work with a 'used' 9V, or with a NiCad 9V, then it should work

> with a 78L08.

>

> Mike

>

Date: Thu, 31 Aug 2000 13:52:25 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <n4xy@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [78508] Re: Help Needed Please

Message-ID: <00a001c01374\$3b5da1e0\$2101a8c0@insydesw.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hmm, now if both the 7808 and the 7809 were BOTH available with the same ease, which would you use?

I know, sounds like a simple question, but it's not.

It depends on the application of course, but I think that if I were designing something to work as a replacement 9v battery, I would use the 7808.

The reasons being that a 9v battery varies from 9v (when BRAND new and fresh) to down below 7v. And while there ARE a few devices that won't work well, or at least AS well, with a 7.2v NiCad replacement, they would probably work acceptably at 8v.

And at 8v, you have an extra 1v margin on the input voltage, since the 78xx regulators do require a certain 'drop' for them to regulate effectively.

Mike

> 7809s ARE available at Digikey.
>
> 73 Ed Tanton <n4xy@arrl.net>
>
> website: <http://www.qsl.net/n4xy/>

Date: Thu, 31 Aug 2000 13:18:33 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [78509] RE: Help Needed Please
Message-ID: <000101c01377\$dfd2e430\$113ac6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd probably use the 8v chip. It's well in the middle of a regular 9v battery's normal operating range. It would insure that you wouldn't overheat any of the regulation circuitry in the keyer. As you pointed out before a 9v battery rarely produces 9v under load. 8v would certainly be in the safe range.

72/
Kevin, WB5RUE

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Mike Yetsko

Sent: Thursday, August 31, 2000 12:52 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Help Needed Please

Hmm, now if both the 7808 and the 7809 were BOTH available with the same ease, which would you use?

I know, sounds like a simple question, but it's not.

It depends on the application of course, but I think that if I were designing something to work as a replacement 9v battery, I would use the 7808.

The reasons being that a 9v battery varies from 9v (when BRAND new and fresh) to down below 7v. And while there ARE a few devices that won't work well, or at least AS well, with a 7.2v NiCad replacement, they would probably work acceptably at 8v.

And at 8v, you have an extra 1v margin on the input voltage, since the 78xx regulators do require a certain 'drop' for them to regulate effectively.

Mike

> 7809s ARE available at Digikey.

>

> 73 Ed Tanton <n4xy@arrl.net>

>

> website: <http://www.qsl.net/n4xy/>

Date: Thu, 31 Aug 2000 11:34:36 -0700

From: Mighty Mik <mightymik2@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [78510] Re: Help Needed Please

Message-ID: <4.3.2.7.0.20000831112756.00bd1100@24.0.0.70>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:52 PM 8/31/00 -0400, you wrote:

>Hmm, now if both the 7808 and the 7809 were BOTH available with
>the same ease, which would you use?

In recent days, i've noticed that the LM78xx devices are being replaced by the LM2940T- xx series. There is a 9.0 version. the 78L05 series may be replaced with the LM2931 in the T0-92 package.

>I know, sounds like a simple question, but it's not.

>

>It depends on the application of course, but I think that if I were

>designing

>something to work as a replacement 9v battery, I would use the 7808.

Date: Thu, 31 Aug 2000 13:40:11 -0500
From: "kc0bdw" <kc0bdw@email.msn.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [78511] Re: Random Wire Antenna
Message-ID: <001c01c0137a\$e6f7a0e0\$f93c103f@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to every one for all the great ideas. I just put up the wire and started to play around with it it did tune up on 80,40,30,15,10M. It didn't like 20 M to much though.

Again thank you all for all the info and ideas
KC0BDW

Date: Thu, 31 Aug 2000 12:04:34 -0700
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78512] In the eye of the beholder...
Message-ID: <000701c0137e\$4d6efbe0\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

...and on the beauty scale, the FT-817 sure looks butt ugly to me! There's a semi-fuzzy closeup on <http://www.eham.net/articles/1179...>

...too bad it doesn't come in fruit flavors like the mac...maybe I'd like it better if it were in grape... ;)

73 John K7FD

Date: Thu, 31 Aug 2000 13:27:18 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: K7FD <cqdx@teleport.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [78513] Re: In the eye of the beholder...
Message-ID: <Pine.SUN.4.10.10008311316580.2609-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 31 Aug 2000, K7FD wrote:

> ...and on the beauty scale, the FT-817 sure looks butt ugly to me!

I agree, John. Just looked at the website myself over lunch and was highly disappointed at that "Japanese consumer look" of it, those weird sized buttons on the front, the top, and that awful bulging front panel LCD thing. Yuck! What were they thinking? It ain't no IC-706 (don't have one yet). I'm interested in shortly getting a new all-band commercial rig, but upon shelling out \$700, I want something that at least kinda looks like a commercial communications product. The last commercial rig I bought was my TT Triton IV in 1978, and I ain't staring at that FT-817 front panel for the *next* 20 years!

Butt ugly is very descriptive :-)

Shucks ... really hoping that a commercial QRP rig had finally arrived.

72, Paul NA5N

Date: Thu, 31 Aug 2000 15:32:23 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [78514] Re: In the eye of the beholder...
Message-ID: <001401c01382\$334d8b10\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> On Thu, 31 Aug 2000, K7FD wrote:
> > ...and on the beauty scale, the FT-817 sure looks butt ugly to me!
>
> I agree, John. Just looked at the website myself over lunch and
> was highly disappointed at that "Japanese consumer look" of it,
> those weird sized buttons on the front, the top, and that awful
> bulging front panel LCD thing

Paul,

I don't know about "butt ugly," but to me it looks like an Alinco mobile front panel on a Cobra CB case.

Dave

Date: Thu, 31 Aug 2000 15:40:02 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@hboc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78515] RE: In the eye of the beholder...
Message-ID: <95CB658F8515D211B84B00805FA72866033242B4@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

However,

If you take time to look at the front panel in relation to the ergonomics of what is needed and how often, the front panel meets those goals of functionality.

At \$800 it is not tooo much above what the INDEX QRP+ rigs sold for (~\$650)

and it has more coverage and functionality. I have an INDEX and would not part with it. Work the world at 5 Watts and not have an electric bill to prove it 8-)...

Jerry
W3CDE

-----Original Message-----

From: David Hinerman [mailto:dlh1009@ritvax.isc.rit.edu]
Sent: Thursday, August 31, 2000 3:32 PM
To: Low Power Amateur Radio Discussion
Subject: Re: In the eye of the beholder...

> On Thu, 31 Aug 2000, K7FD wrote:
> > ...and on the beauty scale, the FT-817 sure looks butt ugly to me!
>
> I agree, John. Just looked at the website myself over lunch and
> was highly disappointed at that "Japanese consumer look" of it,
> those weird sized buttons on the front, the top, and that awful
> bulging front panel LCD thing

Paul,

I don't know about "butt ugly," but to me it looks like an Alinco mobile front panel on a Cobra CB case.

Dave

Date: Thu, 31 Aug 2000 16:02:00 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [78516] Re: In the eye of the beholder...
Message-ID: <v03110707b5d4650d4cf4@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I spotted one ham's comments on eHam regarding the FT-817;

"dues (sic) to the size limitations, it will likely have poor receiver dynamic range and terrible Q."

Poor fellow must've never had the pleasure of operating any of the current qrp rigs. If his logic were true, any old boatanchor receiver should beat the socks off of the receiver in a DSW, Sierra, OHR, K2 etc. ARRL lab tests have proven little rigs can have big time receivers in them.

I won't be selling any of my gear to buy an FT-817.

73,

Rick kf4ar

Date: Thu, 31 Aug 2000 16:11:25 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [78517] Radials revisited
Message-ID: <4d.47ebe6.26e015ed@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If you think you have it down, I invite you to visit this site and read the comments from some of the experts. How about looking at it in this light, an antenna with one elevated radial could be near 100 percent radiation efficiency but the reflection efficiency could be very poor. I never thought about it quite that way before. Lots of good stuff here:
<http://www.gis.net/~ke1fo/elvradials.html>

Just a little something to think about when wondering about 4 elevated or 60 ground. OU4UN on his 80m 4 square, has 4 elevated and 250 ground---tell you something?

Alan KB7MBI

Date: Thu, 31 Aug 2000 20:19:16 +0100
From: Larry S Cahoon <wd3p@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [78518] On the Beach with the DSW-20
Message-ID: <20000831.201923.-437545.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

I spent last week at the beach - Nag's Head, NC with the xyl, three kids and two dogs. But with all that I did manage to get in a bit of operating time.

The plan was to attempt to set up a loop at the QTH which was a cottage back about a block from the beach. With that in mind I took plenty of wire, some ladder line and the SD 20 ft fishing pole. At it turned out the cottage was definitely antenna unfriendly. It had a nice deck in the front of the place. However the power lines ran down the road about 30 ft out, and worst yet the lines to the cottage ran over the left side of the deck. I could stand on a chair and touch the lines if I wanted to. I sometimes have to wonder about the zoning rules that allow lines to be placed so badly. So in the end I set up a 20 meter inverted V to the south side of the deck. One leg ran along the side of the place about 5 feet from the building. The second leg went down to the ground in the front quick enough to keep a respectable distance from the power lines. The SD-20 was tied to the side of the deck with about 15 ft of 450 ohm line running to a table on the deck. So the apex of the antenna was only up about 18 ft. It stayed up most of the week - I did lower it to the ground the one night we had a thunderstorm.

I had the DSW-40 and the DSW-20 with me but due to the antenna limitation I only used the DSW-20. The tuner was the LDG Z-11 tuner and a 4:1 balun. Power was supplied with a set of ten NiMH batteries. I recharged those each night after I operated so I never got a measure of how long they would run the rig. The Z-11 was just great - I tuned once and the setting held for the week. Those latching relays worked just as they were intended. The paddles were the small Paddlettes. They were a joy to use.

I had more luck with DX than stateside and did not find much activity at all on the QRP frequency. Mostly I just answered CQs. I did try a CQ on the QRP frequencies most time I got on the air but never got an answer. The setup worked flawlessly - the first three QSO were with France, England, and Italy. Later I worked a 9A and a UX5. A QSO with PA6Y - a special event station proved that the RIT on the DSW will work fine for split operation. I just listened up a bit and found someone answering the fellow and then set the RIT and went back to PA6Y's frequency and got him on the first try. I'm not sure why he was running split as he did not have much of a pileup.

One nice QSO was with Drew, 6Y5/W8MHV, running his K2 at 8 Watts from Jamaica while the remnants of Hurricane Debbie passed over him.

I must say the DSW and the LDG Z-11 both worked great. I do like the idea of carrying a small rig for these kind of things. I could have

taken the K2 but that takes more power so a bigger battery would be needed plus I knew I would not be operating on more than a couple of bands. As I expected to work in the evening mostly 20 and 40 were the obvious bands of choice. So the DSW-20 and DSW-40 went with me with only the DSW-20 being used due to the limits on the antenna. That was not a real loss - I worked the UX5 long after my sunset - it must have been 3 AM local time at his QTH.

Next year I want to try the K1 and save the DSW for hiking trips. Hopefully I'll have a more antenna friendly place as well but the xyl chooses the cottage - she wants the dogs along and that gets a higher priority than the radio.

73 de Larry.....WD3P in MD

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 31 Aug 2000 15:29:56 -0500

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [78519] Re: Radials revisited

Message-ID: <00fc01c0138a\$3c2bec60\$0100a8c0@dandooley>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'm going to have a look at the different links referenced in these posts, but even if the "performance" of an antenna with elevated radials is not significantly different from those ground mounted, there may still be some advantages to putting the antenna up a little higher.

My Butternut HF9V is elevated to about 17 feet at the base. I have 4 sets of radials covering 40 - 10. If I were to mount the antenna on the ground, I would have a heck of a time getting even a modest ground system out. For one thing, the house would be in the way. I don't have room enough to put the antenna out in the middle of the back yard. For one thing, the yard is not that big and heavy trees overcover the area where the antenna would have to go. An inground swimming pool covers another significant part of the yard.

By putting the antenna up, I can run the radials through the trees and over onto the roof of the house. The antenna is mounted against the house. So,

I can spread the four sets out at 90 deg. each. I don't even have to run wires over the top of the pool.

Also, this may seem technically illogical, but with the antenna where it is, it is in the "clear." The signal radiating from it is not being obstructed by the lower tree trunks or the masses of my house and my neighbor's. Speaking of which, I'm not receiving RFI complaints, but I wonder if I might were I to be shooting my signal at ground level directly into their electronics?

Four radials per band as opposed to a whole system of buried wires. Nahh. Don't think so. My efficiency is good and though I can't compete with a beam, I'm getting my 1 watt PSK31 signal into Asia.

If you have the real-estate to put in a good and spread-out ground level system, that's one thing. Otherwise.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandoooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: <ARDUJENSKI@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 31, 2000 3:11 PM
Subject: Radials revisited

> If you think you have it down,I invite you to visit this site and read the
> comments from some of the experts. How about looking at it in this light,
an
> antenna with one elevated radial could be near 100 percent radiation
> efficiency but the reflection efficiency could be very poor. I never
though
> about it quite that way before. Lots of good stuff here:
> <http://www.gis.net/~ke1fo/elvradials.html>
>
> Just a little something to think about when wondering about 4 elevated or
60
> ground. OU4UN on his 80m 4 square, has 4 elevated and 250 ground---tell
you
> something?
>
> Alan KB7MBI

Date: Thu, 31 Aug 2000 13:35:26 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@onelist.com>
Subject: [78520] [K1 Manual is now on Elecraft website]
Message-ID: <39AEC18E.D15A2DEB@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

The new K1 manual including schematics (Field Test release) is now on our manual download site at:
http://www.elecraft.com/manual/K1_manual_083000.pdf

73, Eric WA6HHQ

Date: Thu, 31 Aug 2000 16:44:30 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [78521] Burr-Brown
Message-ID: <CKEGICNFDIMCEKEDCEHFEEELIDNAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There was some doubt about Burr-Brown's fate on here earlier... they have been acquired by Texas Instruments <http://www.ti.com/> .

73 Ed Tanton <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.qsl.net/n4xy/>

Date: Thu, 31 Aug 2000 16:36:32 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rerobins@email.uncc.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78522] Re: In the eye of the beholder...
Message-ID: <02b601c0138c\$3b44fce0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was actually considering buying a more 'conventional' rig last year. Kept kicking it around... Never did it.

Then ALMOST moved on a fairly current but used 706. A Mark II G or something.

But didn't.

Then decided to move on a K2.

Bought it. Built it. Used it.

Then unloaded anything else!!

Mike

> Poor fellow must've never had the pleasure of operating any of the
current
> qrp rigs. If his logic were true, any old boatanchor receiver should
beat
> the socks off of the receiver in a DSW, Sierra, OHR, K2 etc. ARRL lab
> tests have proven little rigs can have big time receivers in them.
>
> Rick kf4ar

Date: Thu, 31 Aug 2000 16:47:13 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78523] Re: Radials revisited
Message-ID: <1000731164713.QAA04194@gate.iterated.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 8/31/00 4:29 PM, Dan W. Dooley at dandoooley@pipeline.com wrote:

>Four radials per band as opposed to a whole system of buried wires. Nahh.
>Don't think so.

Dan, I agree, most installations are a compromise. The issue of elevated radials has come up before with people who had the land / space / resources to install a system of buried wires should they so choose.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
 -- Archibald Asparagus, VeggieTales

Date: Thu, 31 Aug 2000 16:54:20 -0400
From: "Bruce James Howes" <bhowes@buffnet.net>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78524] RE: In the eye of the beholder...
Message-ID: <LOBBIPDHCFJIINLDLLMNEEGNDKAA.bhowes@buffnet.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Where have you guys come across the photo of the 817?

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Mike Yetsko
Sent: Thursday, August 31, 2000 4:37 PM
To: Low Power Amateur Radio Discussion
Subject: Re: In the eye of the beholder...

I was actually considering buying a more 'conventional' rig last year. Kept kicking it around... Never did it.

Then ALMOST moved on a fairly current but used 706. A Mark II G or something.

But didn't.

Then decided to move on a K2.

Bought it. Built it. Used it.

Then unloaded anything else!!

Mike

> Poor fellow must've never had the pleasure of operating any of the
current
> qrp rigs. If his logic were true, any old boatanchor receiver should
beat
> the socks off of the receiver in a DSW, Sierra, OHR, K2 etc. ARRL lab
> tests have proven little rigs can have big time receivers in them.
>
> Rick kf4ar

Date: Thu, 31 Aug 2000 16:56:20 -0400
From: "CDF" <res043pa@gte.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [78525] Thanks To All
Message-ID: <001701c0138d\$eb8bd460\$19a71c3f@eypwdog>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to thank everyone who responded to my
cry for help. There are just to many to thank personally.
And a special thanks to Ed, N4XY who is sending the things I need to make
this thing work on 12 volts.

Again Thanks to all.

72 Charlie

The Truth Is Out There. This Is Who WE Are

WA8CUL

QRP-L #1752

Charles D. Feigley Sr

SOC #394

1516 Toledo St.

TT Argosy II @ 5 W

Holiday, Florida

34690

Date: Thu, 31 Aug 2000 14:15:51 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
Cc: "AE2T (E-mail)" <ae2t@arrl.net>, "K0EVZ (E-mail)" <70511.3041@compuserve.com>, "K1MG (E-mail)" <mgipe@reliablemeters.com>, "K7Q0 (E-mail)" <k7qo@primenet.com>, "N0UR (E-mail)" <n0ur@yahoo.com>, "N1FN (E-mail)" <mgemm@emtechnologies.com>,
Subject: [78526] FOX: Substitute fox on Sunday
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EEAD@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Fellow fox hounds --

Please take note of a change to the foxhunt schedule.

This coming Sunday, September 3, 1000, Paul AJ4Y will be taking the place of K7Q0. The time and date is unchanged. The only difference will be the callsign of the fox.

Paul will post a separate message to QRP-L with the details of his fox operation.

This is the very LAST foxhunt in the summer of 2000 QRP-L foxhunt! It is also a unique hunt because there will be TWO foxes, both in operation at the same time. History is being made. Be there so you can tell your grandchildren about it.

72 es gl from the Foxhunt Coordinating Committee (FCC),
N1FN, K1MG, K0EVZ, N1TP

Date: Thu, 31 Aug 2000 22:25:30 +0100
From: "M05aaa01" <merryprankster@CWCOM.NET>
To: <K4IA@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [78527] Re: psk question
Message-ID: <004201c01391\$ffbc73a0\$c8022cc3@M05aaa00>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ZANAKA is there NOW its Thursday 10.24 PM uk time

<http://www.chroniclenetworks.com/~dwm/zaka.jpg>

Date: Thu, 31 Aug 2000 14:45:38 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <bfollett@email.msn.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78528] Re: Low Noise Op Amps
Message-ID: <017401c01394\$cdbd59c0\$f1424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One of the best low noise op-amps I've had experience with is the JE-990 designed by Deane Jensen of Jensen Transformer Company: www.jensentransformers.com .

This is not a tiny device, but rather is a combination of integrated and discrete circuitry. It was designed for use in professional audio equipment, but I used it in a phase noise measurement setup.

You can get a copy of the original Audio Engineering Society paper from the company, and build it yourself. I haven't kept up with the latest and greatest in low noise op-amps, but this one is certainly still a contender.

73,

John, K6QQ

Date: Thu, 31 Aug 2000 17:59:48 -0400 (EDT)
From: Jim Fielden <fielden@utkux.utcc.utk.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [78529] Change of Email Address
Message-ID: <Pine.GS0.4.21.0008311759060.25470-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Where is the homepage that we go to now to change email address ect?

Tnx es 72

Jim - KU4QW

Date: Thu, 31 Aug 2000 18:12:15 -0400
From: John Meade <john.meade@smsc.com>
To: qrp-l@Lehigh.EDU
Subject: [78530] Dual-shaft pots
Message-ID: <39AED83E.E42EF8FA@smsc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would like to add the variable bandwidth mod to my OHR400. I would like to use the existing "speed" location on the front panel. Does anyone know of a source of dual-shaft back-to-back pots? I used to have a bunch but that was many, many years ago.

72,

John W2XS

Date: Thu, 31 Aug 2000 18:15:51 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [78531] dsl up and running
Message-ID: <Pine.LNX.4.20.0008311809220.5735-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After waiting quite a while for it to come to my area; it finally came. We switched to a DSL service through Bellatlantic. It seems to work as advertised. It doesn't interfere with anything else. The filters supplied allow my phones to be used on the same phone line as my computer with no degradation in quality. Today I dropped my dedicated/extra phone line, my old ISP. We are configured to work in both the Windows 98 and the Linux partition with DSL. It is a lot faster/cheaper and more convenient. I am glad that I did it :)

73,

Jim n2go

Date: Thu, 31 Aug 2000 18:18:43 -0400
From: John Wagner <john@neknetwork.com>
To: fielden@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78532] Re: Change of Email Address
Message-ID: <39AED9C3.596618F2@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The qrp-l web site is at: <http://qrp.lehigh.edu/lists/qrp-l/>

List commands are at: <http://qrp.lehigh.edu/lists/qrp-l/join.html>

I believe you'll need to cancel your current subscription and subscribe with the new address.

73,

John, KB1ENS
QRP-L WebMaster

Jim Fielden wrote:

>
> Where is the homepage that we go to now to change email address ect?
>
> Tnx es 72
> Jim - KU4QW

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Thu, 31 Aug 2000 18:29:40 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [78533] New articles on QRP-L website
Message-ID: <39AEDC54.1DCD4151@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Folks,

I've added two articles to the QRP-L website. One is a "Paddle Summary Summary by Chuck Adams, K7Q0" and other a "QRP-L Foxhunt How-To (for Hounds)" by me.

URL is: <http://qrp.lehigh.edu/lists/qrp-l/articles.html>

Still looking for that elusive "There I was" story from the eyes of a QRP-L Fox!

73,

John, KB1ENS
QRP-L WebMaster

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Thu, 31 Aug 2000 16:39:40 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Bruce James Howes <bhowes@buffnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [78534] RE: In the eye of the beholder...
Message-ID: <Pine.SUN.4.10.10008311632430.5625-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 31 Aug 2000, Bruce James Howes wrote:
> Where have you guys come across the photo of the 817?

it's at www.buttugly.com
(Sorry, couldn't help myself).

Seriously ... www.cq3.nl/standard-ft-817/

Someone posted this earlier to QRP-L, and apologize that I deleted it after checking it out and cannot give him proper credit. But thanks

for the heads up on the FT-817 photo site.

I still believe they could have designed a nicer looking rig ... but what really counts is what goes on inside. Some of the initial specs do look good and interesting. Then again, I'm the kind of guy that thinks my old Hallicrafters SX-28 is still nifty looking too :-)

72, Paul NA5N

Date: Thu, 31 Aug 2000 16:40:52 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [78535] FOX: WJ1R's Notice!
Message-ID: <39AE8A94.15881.FA47F8@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, guys--

I didn't see this on QRP-L so am re-posting it for Larry--

Hello, I'm WJ1R. I will be on 14061 +/- 1 khz. My exchange for the fox 559-CO-LARRY-2137 Welcome everybody, I like pileup's. Hope to work you all. 73/72
Larry WJ1R / UA6HZ ex: 4J1FS, 4J6A, U3MIR/7, EX0CL, UA6HZ/JW, UA6HZ/UG, UG6GZ, W3A, R6ER, R50A, R3SRR, UA6HZ/DL, /F, /EA7, /EA8, UL7, /UA0, /UA9, /UB5, e.t.c.
Thanks, and see you on 14061/62 this thursday from 0100z to 0300z

Date: Thu, 31 Aug 2000 17:41:31 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <QRP-L@lehigh.edu>
Subject: [78536] FS: Wilderness SST20 & SST40, KC1.
Message-ID: <001301c0139c\$9cc5ab80\$e5c9e0d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wilderness SST20 and SST40 Both look good and work good.

\$140 Shipped for both. will not split up. Will include a separate KC-1.

Reason for selling. saving for a FT-817

Thank you,

Kelly Ellison - WB0WQS

Date: Thu, 31 Aug 2000 17:46:43 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [78537] Re: In the eye of the beholder...
Message-ID: <014801c0139d\$596a3620\$0100a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Because you're absolutely right about the Hallicrafters.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Paul Harden, NA5N" <na5n@rt66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 31, 2000 5:39 PM
Subject: RE: In the eye of the beholder...

> do look good and interesting. Then again, I'm the kind of guy that
> thinks my old Hallicrafters SX-28 is still nifty looking too :-)
>
> 72, Paul NA5N
>
>

End of QRP-L Digest 1930
